

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P198109

Luminaire Tested: **TT-C1-LED-E1-RW-SG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34700)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C1-LED-E1-RW-SG-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2471.2 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



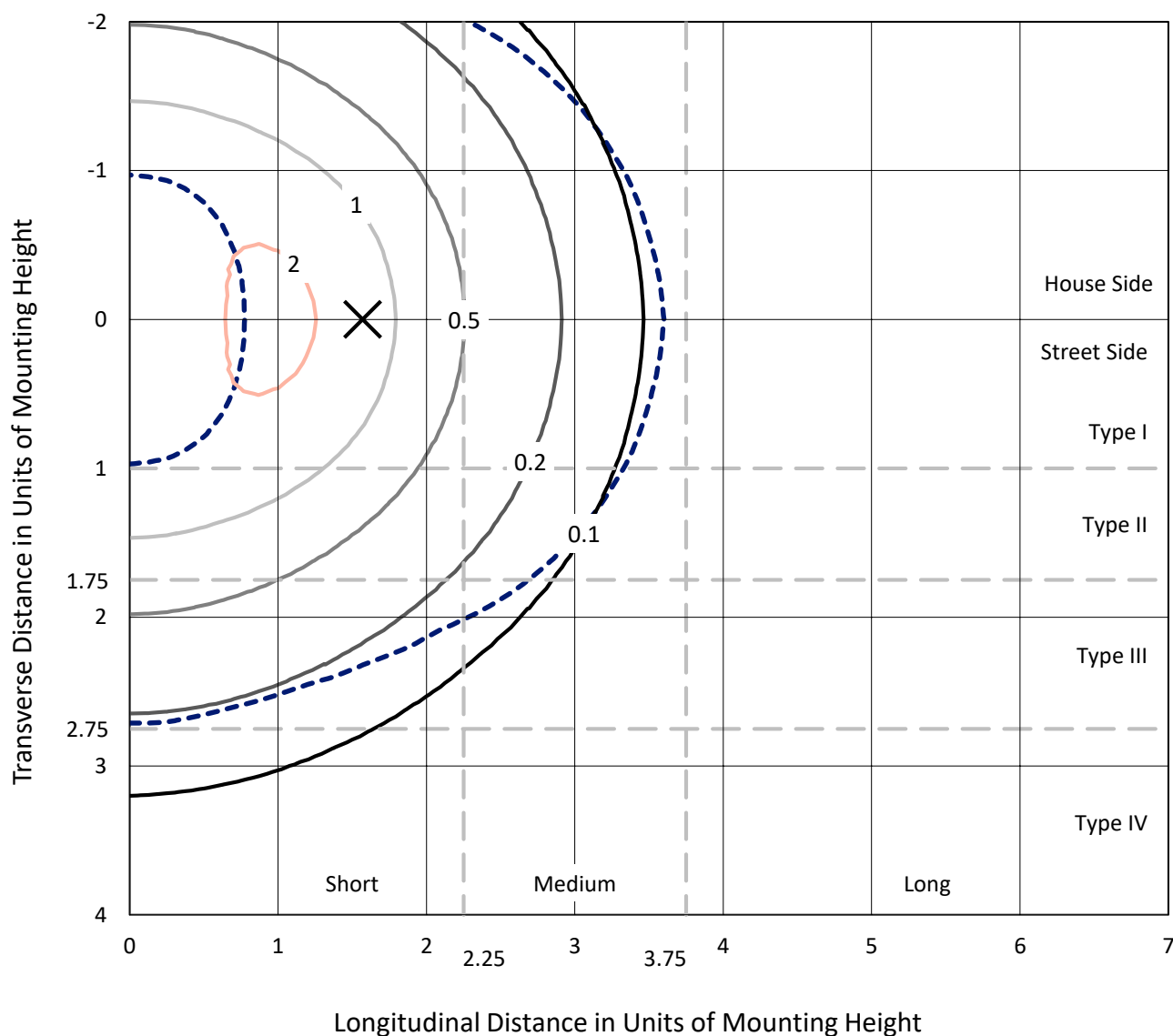
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

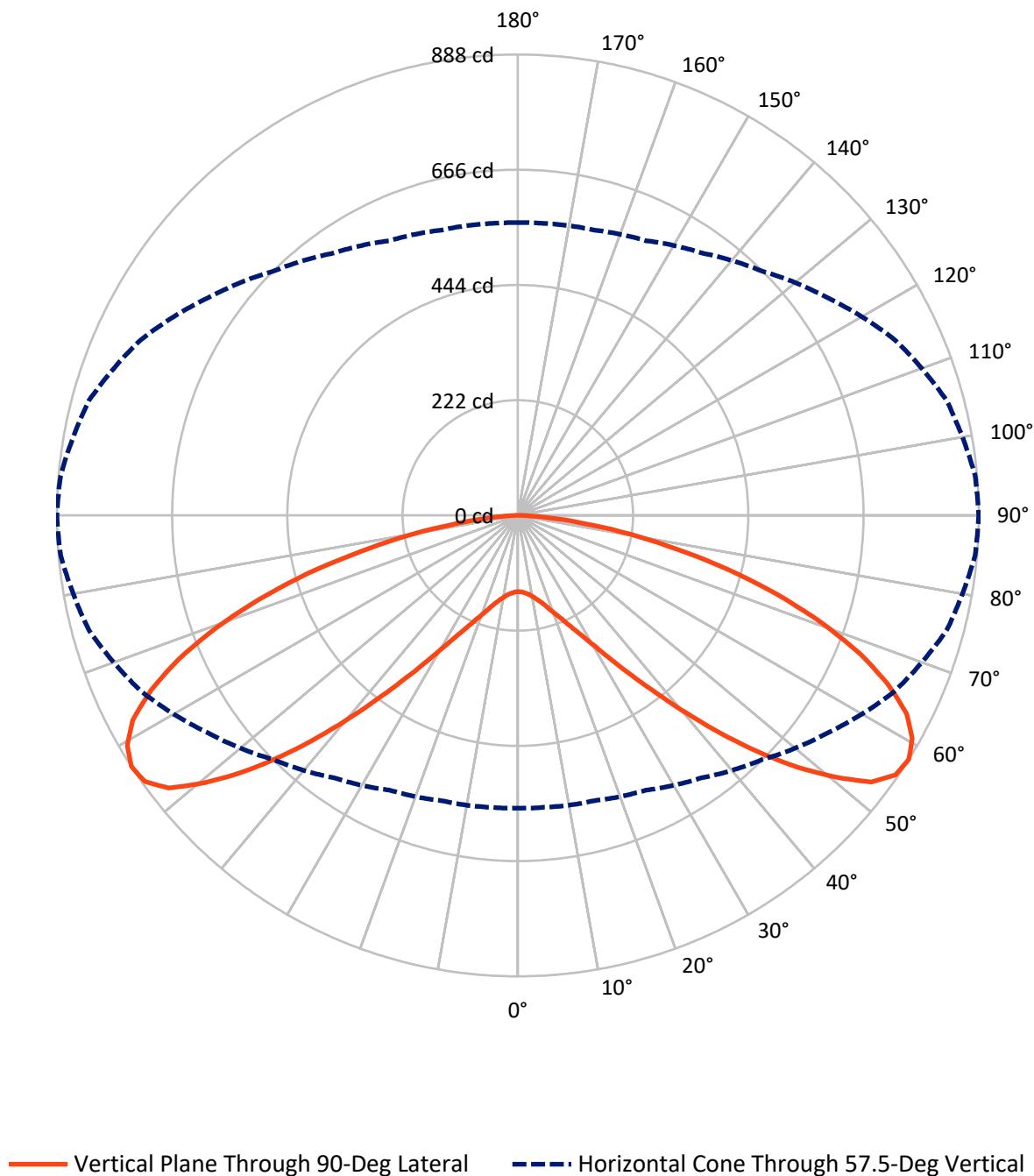


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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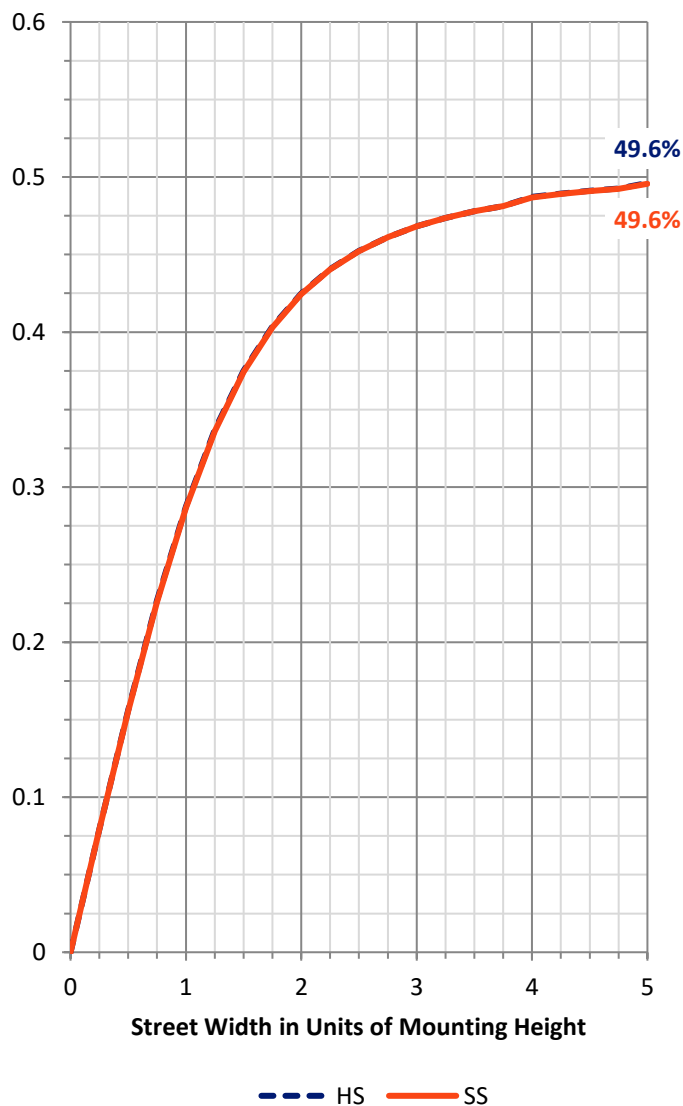
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1235.6	0.0	1235.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1235.6	0.0	1235.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2471.2	0.0	2471.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.6
10°-20°	50.5	2.0
20°-30°	110.1	4.5
30°-40°	221.0	8.9
40°-50°	412.6	16.7
50°-60°	607.7	24.6
60°-70°	612.3	24.8
70°-80°	365.5	14.8
80°-90°	77.0	3.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2471.2	100.0
0°-180°	2471.2	100.0

Coefficient of Utilization



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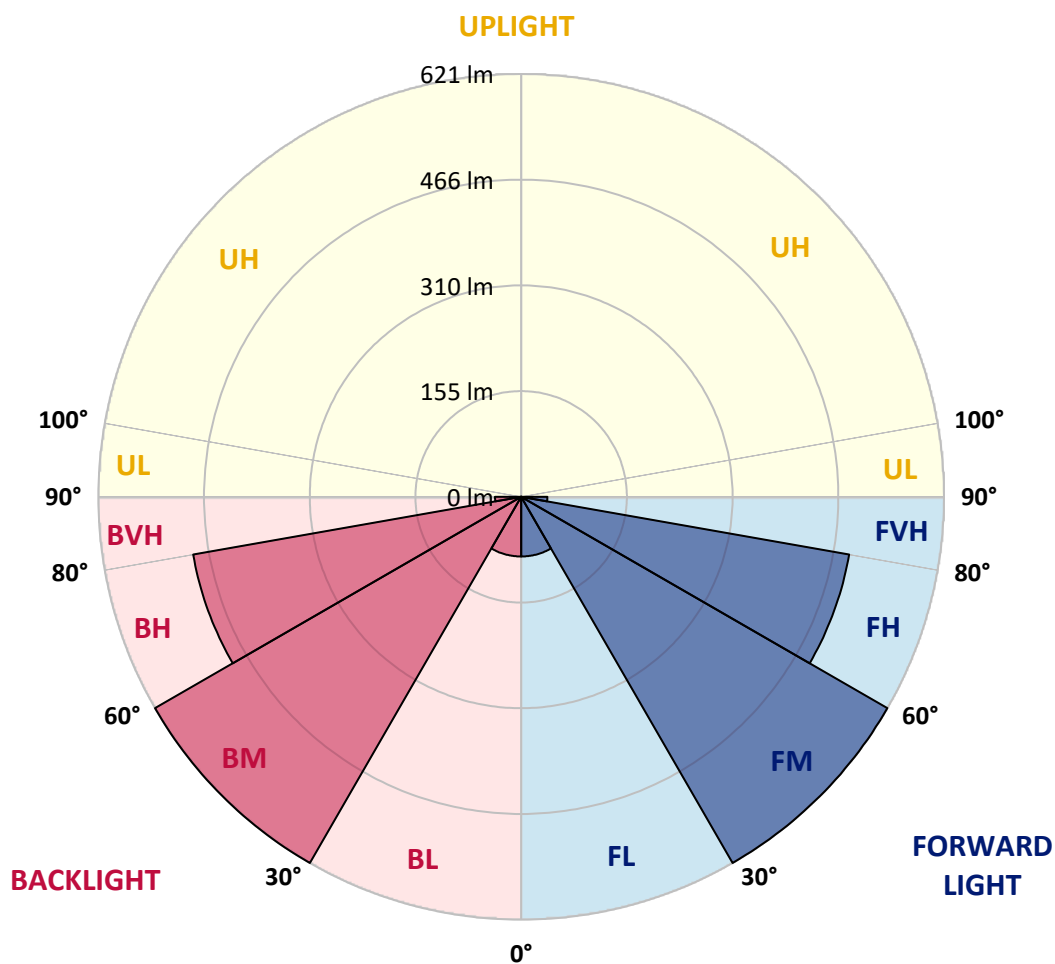
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.6	3.5			
FM	(30°-60°)	620.7	25.1			
FH	(60°-80°)	488.9	19.8			G0/660
FVH	(80°-90°)	38.5	1.6			G1/100
BL	(0°-30°)	87.6	3.5	B0/110		
BM	(30°-60°)	620.7	25.1	B1/1000		
BH	(60°-80°)	488.9	19.8	B1/500		G1/500
BVH	(80°-90°)	38.5	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
2.5°	148.0	148.0	148.0	148.0	148.0	147.5	148.0	147.5	147.5	147.5	147.5
5°	149.6	149.6	149.6	150.2	150.2	150.2	150.2	149.6	150.2	149.6	150.2
7.5°	153.4	153.4	153.4	153.4	153.4	153.4	153.9	153.4	153.9	153.4	153.4
10°	158.2	158.2	158.2	158.2	158.8	158.8	158.8	159.3	159.3	159.3	159.3
12.5°	165.2	165.2	165.2	165.2	165.2	165.2	165.7	165.7	166.3	166.3	166.3
15°	174.3	174.3	173.8	173.8	173.8	174.3	174.3	175.4	174.9	174.9	174.9
17.5°	185.6	185.0	185.0	185.0	185.0	185.0	185.0	186.1	186.1	186.1	186.7
20°	197.9	199.0	198.5	197.4	197.4	197.4	197.9	199.0	199.0	200.6	201.1
22.5°	215.1	215.6	214.5	214.0	212.4	212.4	214.0	214.5	216.7	216.1	216.7
25°	233.3	232.8	232.2	231.2	231.2	231.2	232.2	233.8	235.5	237.1	237.1
27.5°	253.7	253.2	252.6	252.1	251.0	252.6	253.7	257.4	258.5	262.3	261.2
30°	276.2	276.8	275.7	275.1	274.6	275.1	279.4	284.8	289.1	291.8	292.3
32.5°	301.4	302.0	301.4	300.4	301.4	304.1	309.5	316.4	325.0	329.9	331.5
35°	329.3	330.4	329.3	330.4	331.5	336.3	345.9	356.7	371.7	376.0	378.7
37.5°	359.4	358.3	357.7	359.4	364.2	374.4	387.8	406.6	422.1	435.0	435.0
40°	389.4	389.9	390.5	390.5	399.6	413.5	435.5	460.7	483.8	500.4	501.0
42.5°	421.6	421.6	421.6	426.4	437.7	459.7	488.1	525.1	556.7	572.3	574.4
45°	454.3	456.4	457.5	463.9	480.6	508.5	546.0	590.5	630.7	651.7	650.6
47.5°	486.5	489.2	491.3	501.0	523.5	553.5	600.2	653.8	699.4	723.0	725.1
50°	519.7	518.1	522.4	534.2	559.4	598.0	647.9	709.6	761.6	790.6	792.7
52.5°	541.7	541.2	545.5	557.8	587.3	630.7	688.1	758.4	814.7	844.8	853.3
55°	557.3	556.7	561.6	576.0	608.2	654.3	716.6	790.6	847.4	878.5	882.8
57.5°	564.2	564.8	569.1	584.1	617.3	665.6	730.0	801.3	855.5	884.4	888.2
60°	563.2	563.7	567.5	581.9	614.7	661.3	723.5	790.6	842.1	868.9	873.2
62.5°	551.9	551.4	554.6	566.9	595.9	639.3	698.9	762.2	811.0	835.6	840.5
65°	528.3	527.8	527.8	538.5	563.2	600.2	656.5	712.8	758.4	782.0	783.1
67.5°	489.7	489.7	488.6	495.1	513.3	549.2	597.5	649.0	686.0	708.0	711.2
70°	437.7	438.7	435.0	438.7	453.8	482.2	525.1	566.4	595.4	620.6	622.2
72.5°	380.8	376.5	374.9	376.0	387.2	405.5	442.5	477.4	504.2	521.3	524.6
75°	307.3	307.3	306.3	304.6	311.1	329.3	354.0	382.4	404.9	416.7	421.0
77.5°	235.5	237.6	234.4	234.4	239.2	253.2	274.6	290.2	306.3	314.3	312.2
80°	167.3	166.8	165.2	164.1	169.5	177.5	194.7	203.8	208.6	216.1	219.4
82.5°	103.5	104.6	106.2	101.4	103.5	111.0	120.1	125.0	127.1	130.3	129.8
85°	51.0	51.5	52.0	52.6	52.6	55.2	60.6	62.8	64.4	66.0	64.9
87.5°	18.8	17.7	17.2	17.2	17.2	17.7	20.4	19.8	20.9	20.9	22.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)